

# Project Proposal

**Proposal Title:** Five Mile Sagebrush Yr 4

**Proposal Number:** 1424

**DWR Region:** Southern Region

**Lead Agency:** BLM

**County:** Kane

**Project Manager:** Dustin Rooks

**PM Phone:** 4358656113

**Regional Priority:** Within Focus Area

**Project Type:** Terrestrial Habitat

**Proposed Start Date:** 8/15/2009

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**Project Location:** Fivemile Mountain east of Kanab

**Project Description:** 2650 acres of sagebrush treatment as a continuation of the Fivemile project area.

**Description of Problem/Need:** Extensive Areas of sagebrush die-offs and lack of understory plant diversity in the sagebrush communities in this area has created a large area that is at risk to weed invasion, soil erosion, and in some cases, wildfire. Old range seedings created more than forty years ago have also experienced die-offs. Many of the plant communities in this area have crossed a threshold that will not recover without mechanical treatment.

**Objectives:** Restore sagebrush community health by increasing functional group and age class diversity. It will also improve rangeland health by decreasing soil erosion and improving community resilience to invasive plant species.

**Relevance to Strategic Plans:** Key winter habitat for Paunsaugunt mule deer (Tier III WAP species) herd. There are no known sensitive or federally listed species in the project area. However, it is identified as historic sage grouse habitat.

Restoring sagebrush communities in the project area will help uplands in the areas to meet BLM rangeland health standards as outlined in the Rangeland Health EIS for the Grand Staircase-Escalante National Monument, and as required by the Utah Resource Advisory Council's Standards and Guidelines for Healthy Rangelands.

**Potential Risks:** There is potential for weed invasion and increased soil erosion if seed fails to become established.

**Proposed Methods:** The Fivemile and Sand Gulch Pastures of the Coyote Allotment would receive a double Dixie harrow treatment. During the second pass seed would be applied ahead of the harrow. A mixture of native and non-native seed will be used to improve chances for success and diversity. One of the treatment pastures (1300 acres) would be treated in-house and with cooperators (livestock permittees). The other pasture treatment (1350 acres) would be contracted. Treat 2650 acres of identified 3583.

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**Shapefile Name:** S:/DWR/HPD-2010/GIS Shape Files/1424.shp

**Seed Source:** GBRC

**UPCD Reg Team Coord Date:**

**Proposed  
NEPA Action:**

**Proposed  
Arch Action:**

☒ **Vegetation Monitoring**      ☐ **Wildlife Monitoring**

**Monitoring Information:** Baseline studies have been placed throughout the study area. UDWR and GSENM have collected data from these baseline plots using standard methodology and these plots will be read annually following project initiation. The plots will focus on vegetation and soil parameters and will be used to determine if the project meets established success criteria. Data collected from the plots will be used to determine changes in management or additional treatment activities. A detailed monitoring plan is included in the Environmental Assessment for the project.

**Grazing  
Management:**

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## SPECIES BENEFITING

Mule Deer

Pronghorn

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## LAND OWNERSHIP

Owner	Acres
BLM	2650
<b>Total</b>	<b>2650</b>

## PROPOSED FUNDING

Source	Amount Requested	Date Approved	Amount Approved
Unfunded Balance	\$222,000.00		\$0.00
BLM ARRA	\$100,000.00	3/12/2009	\$100,000.00
<b>Totals</b>	<b>\$322,000.00</b>		<b>\$100,000.00</b>

## PROPOSED BUDGET

Item	Description	DWR Account	Partner Contrib.
Contractual Services	1350 acres Dixie Harrow contract @ \$40/acre	\$54,000.00	\$0.00
Equipment Rental	1300 acres harrow equipment rental	\$12,000.00	\$0.00
Materials and Supplies	Fuel for 1300 acres harrow	\$7,000.00	\$0.00
Personal Services	Archeology technician	\$10,000.00	\$0.00
Seed (GBRC)	2650 acres @ \$90/acre	\$239,000.00	\$0.00
	<b>Totals</b>	<b>\$322,000.00</b>	<b>\$0.00</b>

## Project Map:

